

Serial Number:

43/09/560494

CRF Processing Date: 10/10/01

Edited by: MIA

Verified by: (STI)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number input by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer
- ☐ Changed the spelling of a mandatory field (the headings or subheadings) specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of ☐ page numbers throughout text; ☒ other invalid text, such as end stop codon
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/560,494

DATE: 10/10/2001
TIME: 09:35:44

Input Set : A:\PTO.MH.txt
Output Set: N:\CRF3\10102001\I560494.raw

SEQUENCE LISTING

ENTERED

4 (1) GENERAL INFORMATION:
6 (i) APPLICANT: Jakobsen, Brent Karsten
7 Gao, George Fu
8 Gerth, Ulrich Conrad
9 Sewell, Andrew Kelvin
11 (ii) TITLE OF INVENTION: CD8 AS AN INHIBITOR OF THE CELLULAR
12 IMMUNE SYSTEM
14 (iii) NUMBER OF SEQUENCES: 26
16 (iv) CORRESPONDENCE ADDRESS:
17 (A) ADDRESSEE: Hale and Dorr LLP
18 (B) STREET: 60 State Street
19 (C) CITY: Boston
20 (D) STATE: Massachusetts
21 (E) COUNTRY: United States
22 (F) ZIP: 02109
24 (v) COMPUTER READABLE FORM:
25 (A) MEDIUM TYPE: Floppy disk
26 (B) COMPUTER: IBM PC compatible
27 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
28 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
30 (vi) CURRENT APPLICATION DATA:
C--> 31 (A) APPLICATION NUMBER: US/09/560,494
C--> 32 (B) FILING DATE: 28-Apr-2000
33 (C) CLASSIFICATION:
39 (vii) PRIOR APPLICATION DATA:
36 (A) APPLICATION NUMBER: WO PCT/GB98/03235
37 (B) FILING DATE: 28-OCT-1998
40 (A) APPLICATION NUMBER: GB 9722779.7
41 (B) FILING DATE: 28-OCT-1997
43 (viii) ATTORNEY/AGENT INFORMATION:
44 (A) NAME: Baker, Hollie L.
45 (B) REGISTRATION NUMBER: 31,321
46 (C) REFERENCE/DOCKET NUMBER: 102286.413
48 (ix) TELECOMMUNICATION INFORMATION:
49 (A) TELEPHONE: (617) 526-6000
50 (B) TELEFAX: (617) 526-5000
53 (2) INFORMATION FOR SEQ ID NO: 1:
55 (i) SEQUENCE CHARACTERISTICS:
56 (A) LENGTH: 48 base pairs
57 (B) TYPE: nucleic acid
58 (C) STRANDEDNESS: single
59 (D) TOPOLOGY: linear
61 (ii) MOLECULE TYPE: other nucleic acid
62 (A) DESCRIPTION: /desc = "Synthetic DNA primer"
67 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
69 GACTGAGTCG CGGCCGCTGC CACCATGGCC TTACCAGTGA CCGCCTTG

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RAW SEQUENCE LISTING

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71 (2) INFORMATION FOR SEQ ID NO: 2:

73 (i) SEQUENCE CHARACTERISTICS:

74 (A) LENGTH: 42 base pairs

75 (B) TYPE: nucleic acid

76 (C) STRANDEDNESS: single

77 (D) TOPOLOGY: linear

79 (ii) MOLECULE TYPE: other nucleic acid

80 (A) DESCRIPTION: /desc = "Synthetic DNA primer"

85 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

87 TATTCGACTG GATCCTTATA CGTATCTCGC CGAAAGGCTG GG 42

89 (2) INFORMATION FOR SEQ ID NO: 3:

91 (i) SEQUENCE CHARACTERISTICS:

92 (A) LENGTH: 42 base pairs

93 (B) TYPE: nucleic acid

94 (C) STRANDEDNESS: single

95 (D) TOPOLOGY: linear

97 (ii) MOLECULE TYPE: other nucleic acid

98 (A) DESCRIPTION: /desc = "Synthetic DNA primer"

103 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

105 GGAATTCCAT ATGAGCCAGT TCCGGGTGTC GCCGCTGGAT CG 42

107 (2) INFORMATION FOR SEQ ID NO: 4:

109 (i) SEQUENCE CHARACTERISTICS:

110 (A) LENGTH: 54 base pairs

111 (B) TYPE: nucleic acid

112 (C) STRANDEDNESS: single

113 (D) TOPOLOGY: linear

115 (ii) MOLECULE TYPE: other nucleic acid

116 (A) DESCRIPTION: /desc = "Synthetic DNA primer"

121 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

123 CGCGGATCCC TATGCGCCCC CCGCTGGCCG GCTCGCCTCT GGGCGCAGGG ACAG 54

125 (2) INFORMATION FOR SEQ ID NO: 5:

127 (i) SEQUENCE CHARACTERISTICS:

128 (A) LENGTH: 60 base pairs

129 (B) TYPE: nucleic acid

130 (C) STRANDEDNESS: single

131 (D) TOPOLOGY: linear

133 (ii) MOLECULE TYPE: other nucleic acid

134 (A) DESCRIPTION: /desc = "Synthetic DNA primer"

139 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

141 CACCGCGAAT TCGGATCCTA AGCGGGTCTA CAAGCTTCGG GCTTCGCTGG CAGGAAGACC 60

144 (2) INFORMATION FOR SEQ ID NO: 6:

146 (i) SEQUENCE CHARACTERISTICS:

147 (A) LENGTH: 59 base pairs

148 (B) TYPE: nucleic acid

149 (C) STRANDEDNESS: single

150 (D) TOPOLOGY: linear

152 (ii) MOLECULE TYPE: other nucleic acid

153 (A) DESCRIPTION: /desc = "Synthetic DNA primer"

158 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

RAW SEQUENCE LISTING

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160 CACCGCGAAT TCGGATCCTA AGCGGGTCTA CAAGCTTCTG GCGTCGTGGT GGGCTTCGC      59
162 (2) INFORMATION FOR SEQ ID NO: 7:
164     (i) SEQUENCE CHARACTERISTICS:
165         (A) LENGTH: 60 base pairs
166         (B) TYPE: nucleic acid
167         (C) STRANDEDNESS: single
168         (D) TOPOLOGY: linear
170     (ii) MOLECULE TYPE: other nucleic acid
171         (A) DESCRIPTION: /desc = "Synthetic DNA primer"
176     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
178 CACCGCGAAT TCGGATCCTA AGCGGGTCTA CAAGCTTCGG GCTTCGCTGG CAGGAAGACC      60
181 (2) INFORMATION FOR SEQ ID NO: 8:
183     (i) SEQUENCE CHARACTERISTICS:
184         (A) LENGTH: 42 base pairs
185         (B) TYPE: nucleic acid
186         (C) STRANDEDNESS: single
187         (D) TOPOLOGY: linear
189     (ii) MOLECULE TYPE: other nucleic acid
190         (A) DESCRIPTION: /desc = "Synthetic DNA primer"
195     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
197 GTGGCAAGCT TGGATCCTAT GCGTCGTGG TGGGCTTCGC TG      42
199 (2) INFORMATION FOR SEQ ID NO: 9:
201     (i) SEQUENCE CHARACTERISTICS:
202         (A) LENGTH: 42 base pairs
203         (B) TYPE: nucleic acid
204         (C) STRANDEDNESS: single
205         (D) TOPOLOGY: linear
207     (ii) MOLECULE TYPE: other nucleic acid
208         (A) DESCRIPTION: /desc = "Synthetic DNA primer"
213     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
215 GGAATTCCAT ATGAGTCAAT TTCGTGTATC ACCGCTGGAT CG      42
217 (2) INFORMATION FOR SEQ ID NO: 10:
219     (i) SEQUENCE CHARACTERISTICS:
220         (A) LENGTH: 35 base pairs
221         (B) TYPE: nucleic acid
222         (C) STRANDEDNESS: single
223         (D) TOPOLOGY: linear
225     (ii) MOLECULE TYPE: other nucleic acid
226         (A) DESCRIPTION: /desc = "Synthetic DNA primer"
231     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
233 ACATACCCAT GGGCTCTCAC TCCATGAGGT ATTTC      35
235 (2) INFORMATION FOR SEQ ID NO: 11:
237     (i) SEQUENCE CHARACTERISTICS:
238         (A) LENGTH: 43 base pairs
239         (B) TYPE: nucleic acid
240         (C) STRANDEDNESS: single
241         (D) TOPOLOGY: linear
243     (ii) MOLECULE TYPE: other nucleic acid
244         (A) DESCRIPTION: /desc = "Synthetic DNA primer"

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RAW SEQUENCE LISTING

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249 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
 251 ACATACAAGC TTACGGCTCC CATCTTAAGG TGAGGGGCTT GGG 43
 253 (2) INFORMATION FOR SEQ ID NO: 12:
 255 (i) SEQUENCE CHARACTERISTICS:
 256 (A) LENGTH: 9 amino acids
 257 (B) TYPE: amino acid
 258 (C) STRANDEDNESS:
 259 (D) TOPOLOGY: linear
 261 (ii) MOLECULE TYPE: peptide
 266 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
 268 Ile Leu Lys Glu Pro Val His Gly Val
 269 1 5
 271 (2) INFORMATION FOR SEQ ID NO: 13:
 273 (i) SEQUENCE CHARACTERISTICS:
 274 (A) LENGTH: 9 amino acids
 275 (B) TYPE: amino acid
 276 (C) STRANDEDNESS:
 277 (D) TOPOLOGY: linear
 279 (ii) MOLECULE TYPE: peptide
 284 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
 286 Ser Leu Tyr Asn Thr Val Ala Thr Leu
 287 1 5
 289 (2) INFORMATION FOR SEQ ID NO: 14:
 291 (i) SEQUENCE CHARACTERISTICS:
 292 (A) LENGTH: 9 amino acids
 293 (B) TYPE: amino acid
 294 (C) STRANDEDNESS:
 295 (D) TOPOLOGY: linear
 297 (ii) MOLECULE TYPE: peptide
 302 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
 304 Val Ile Tyr Gln Tyr Met Asp Asp Leu
 305 1 5
 307 (2) INFORMATION FOR SEQ ID NO: 15:
 309 (i) SEQUENCE CHARACTERISTICS:
 310 (A) LENGTH: 42 base pairs
 311 (B) TYPE: nucleic acid
 312 (C) STRANDEDNESS: single
 313 (D) TOPOLOGY: linear
 315 (ii) MOLECULE TYPE: other nucleic acid
 316 (A) DESCRIPTION: /desc = "Synthetic DNA primer"
 321 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
 323 CTGTCCAACC CGACGTCGGG CAGCTCGTGG CTCTTCCAGC CG 42
 325 (2) INFORMATION FOR SEQ ID NO: 16:
 327 (i) SEQUENCE CHARACTERISTICS:
 328 (A) LENGTH: 42 base pairs
 329 (B) TYPE: nucleic acid
 330 (C) STRANDEDNESS: single
 331 (D) TOPOLOGY: linear
 333 (ii) MOLECULE TYPE: other nucleic acid

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/560,494

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Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10102001\I560494.raw

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334      (A) DESCRIPTION: /desc = "Synthetic DNA prmer"
339      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
341 CGGCTGGAAG AGCCACGAGC TGCCCGACGT CGGGTTGGAC AG      42
343 (2) INFORMATION FOR SEQ ID NO: 17:
345      (i) SEQUENCE CHARACTERISTICS:
346          (A) LENGTH: 99 base pairs
347          (B) TYPE: nucleic acid
348          (C) STRANDEDNESS: single
349          (D) TOPOLOGY: linear
351      (ii) MOLECULE TYPE: other nucleic acid
352      (A) DESCRIPTION: /desc = "Synthetic DNA primer"
357      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
359 GGGGGAAGCT TAATGCCATT CGATTTTCTG AGCTTCAAAA ATATCGTTCA GACCACCACC      60
361 GGATCCTGGC GTCGTGGTGG GCTTCGCTGG CAGGAAGAC      99
363 (2) INFORMATION FOR SEQ ID NO: 18:
365      (i) SEQUENCE CHARACTERISTICS:
366          (A) LENGTH: 18 amino acids
367          (B) TYPE: amino acid
368          (C) STRANDEDNESS:
369          (D) TOPOLOGY: linear
371      (ii) MOLECULE TYPE: peptide
376      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
378 Gly Ser Gly Gly Gly Leu Asn Asp Ile Phe Glu Ala Gln Lys Ile Glu
379 1          5          10          15
381 Trp His
384 (2) INFORMATION FOR SEQ ID NO: 19:
386      (i) SEQUENCE CHARACTERISTICS:
387          (A) LENGTH: 63 base pairs
388          (B) TYPE: nucleic acid
389          (C) STRANDEDNESS: single
390          (D) TOPOLOGY: linear
392      (ii) MOLECULE TYPE: other nucleic acid
393      (A) DESCRIPTION: /desc = "Synthetic DNA prmer"
398      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
400 GAGGAGGAGC ATATGAAACC ACAAGCACCT GAACTACGAA TCTTTCCAAA GAAAATGGAC      60
402 GCC      63
404 (2) INFORMATION FOR SEQ ID NO: 20:
406      (i) SEQUENCE CHARACTERISTICS:
407          (A) LENGTH: 36 base pairs
408          (B) TYPE: nucleic acid
409          (C) STRANDEDNESS: single
410          (D) TOPOLOGY: linear
412      (ii) MOLECULE TYPE: other nucleic acid
413      (A) DESCRIPTION: /desc = "Synthetic DNA primer"
418      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
420 GGGGAGGGAA GCTTACTTGG TAGTAGTAGA GTTCAC      36
422 (2) INFORMATION FOR SEQ ID NO: 21:
424      (i) SEQUENCE CHARACTERISTICS:
425          (A) LENGTH: 9 amino acids

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/560,494

DATE: 10/10/2001

TIME: 09:35:46

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10102001\I560494.raw

L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:567 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25
L:571 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25
L:575 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25
L:579 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25
L:583 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25
L:587 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25
L:591 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25
L:595 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25
L:599 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25